

REMARKS

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action. All details of the reference prior arts are fully considered and compared with the present invention.

Responsive to the objections and rejections made of the Examiner in office action. We have amended the specification and claims. All the errors disclosed in that office action has been corrected according to the Examiner's indications disclosed in the official action.

About the definition of the length L and T are amended in above amendment of the specification based on those illustrated in Fig. 4 of the present invention.

The applicant decides to cancel Claims 1 to 11, without prejudice or disclaimer of the subject matter thereof, and claims 12 to 14 are remained without any amendment. The claims 12 and 13 are newly added at the response to the office action dated at 06/14/2005, but at this response the states of the three claims are indicated as "previous presented" at this office action because they are identical to the claims 12, 13 and 14 dated at 06/14/2005.

The claim 12 is based on the combination of the original claims 1 to 6 and the definitions about the L and T in Fig. 4 of the present invention. The claims 13 and 14 are identical to the original claims 10 and 11, but now they are dependent to the claim 12. Thereby, it is assured that the new claims are based on the original claims and drawing and thus no new matter is added.

Relations showing the claims 12 to 14 with respect to the original

claims are shown in the following

Claim 12. (Previous presented) A hand tool, comprising: a main body provided with a mounting portion including a plurality of arcuate protruding faces and a plurality of receiving recesses located between the protruding faces; wherein, each of the receiving recesses of the mounting portion has an arc-shaped corner; a first distance is defined to be a distance between two walls of each recess, where the two wall facing to each other; and a second distance is defined to be a distance from a top to a bottom of each arcuate protruding face; then a proportion of the first distance to the second distance is 1: 1.6. ~~and the proportion of the depth of each of the protruding faces of the mounting portion and the distance between the corner of each of the receiving recesses and the corner of an adjacent receiving recess is equal to 1:1.6.~~

~~Claim 2. (Original) The hand tool in accordance with claim 1,~~ wherein the protruding faces of the mounting portion are arranged in an annular manner.

~~Claim 3. (Original) The hand tool in accordance with claim 1,~~ wherein each of the protruding faces of the mounting portion is extended radially inward toward a center of the mounting portion.

~~Claim 4. (Original) The hand tool in accordance with claim 1,~~ wherein the receiving recesses of the mounting portion are arranged in an annular manner.

~~Claim 5. (Original) The hand tool in accordance with claim 1,~~ wherein each of the receiving recesses of the mounting portion

is extended radially outward from the center of the mounting portion.

~~6. The hand tool in accordance with claim 1, wherein each of the protruding faces of the mounting portion has an a larger arc-shape.~~

~~7. The hand tool in accordance with claim 1, wherein the mounting portion is mounted on an upper end of the main body and has an outer wall formed with the arcuate protruding faces and the receiving recesses.~~

~~8. The hand tool in accordance with claim 7, wherein the mounting portion has an inner wall formed with a through hole.~~

~~9. The hand tool in accordance with claim 1, wherein the mounting portion is mounted on a lower end of the main body and has an inner wall formed with the arcuate protruding faces and the receiving recesses.~~

Claim 13. (Previous presented) ~~10.~~ The hand tool in accordance with claim ~~12~~ 11, wherein the main body has a lower end having an inner wall formed with a hexagonal recess.

Claim 14. (Previous presented) ~~11.~~ The hand tool in accordance with claim ~~12~~ 11, wherein the main body has an upper end having an inner wall formed with a through hole.

(A) DISCUSSION ABOUT THE NOVELTY OF THE PRESENT INVENTION

In the present invention, we define that "a first distance is defined to be a distance between two walls of each recess, where the two wall facing to each other; and a second distance is defined to be a distance from a top to a bottom of each arcuate protruding face; then a proportion of the first distance to the second distance is 1: 1.6."

This is an experimental result, which is very near the gold ratio in mathematics. Under this condition, the mounting can provide a sufficient twisting force to an object driving by the hand tool with minimum material.

However we have checked the two citations USP5,295,422 and 3354757 do not disclose anything about this feature.

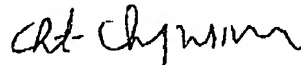
(B) RESULT

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claim 12. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

Applicant requests and authorizes Examiner to amend the claims of the present invention so that the claim can match the requirement of U. S. Patent. Attentions of Examiner to this matter is greatly appreciated.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectfully requested.

Respectfully submitted.



Dated: 07 / 10 / 2004

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which amend the drawing from the amendment copy sent previously into the original copy.

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AMENDMENT

IN THE DRAWING

The amended Fig. 4 sent at Oct. 20, 2004 is amended (restored, namely, the amendment at Oct. 20, 2004 is not used) to be identical to the original copy. That is, all the drawings are identical to the original ones. No new matter is added.

Annotated Marked-up Drawings

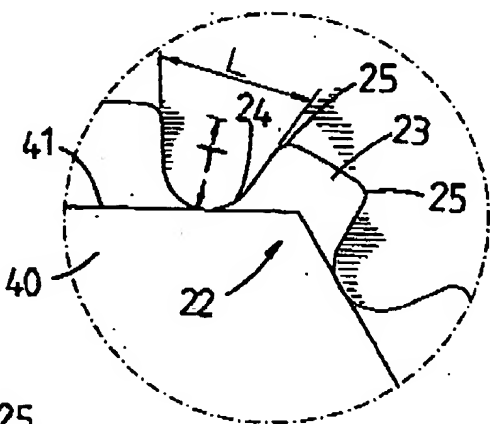


FIG. 4

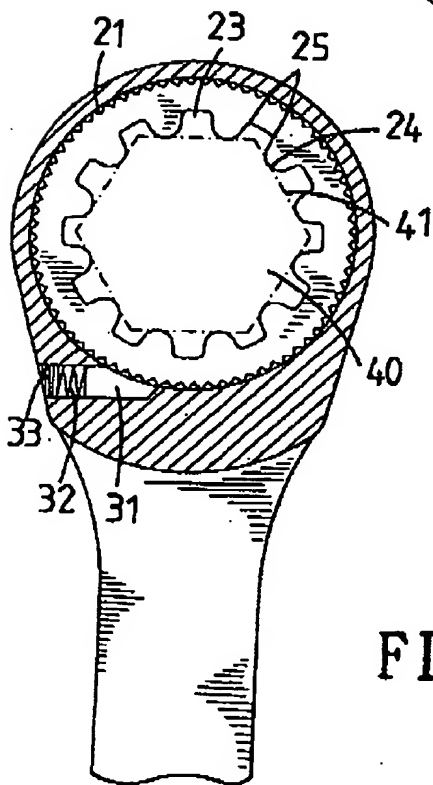


FIG. 3